AWE
Air Water Energy
Engineers, Inc.

Example Projects — Residential

Georgetowne Homes, Hyde Park, MA

(Architect: Davis Square Architects, formerly
Mostue & Associates Architects)

Georgetowne Homes is a low-income government-assisted apartment campus built in around 1968. The campus consists of 57 apartment buildings with a total of 967 units.

(Completed in 2009)

AWE was the engineer for the heating and plumbing systems upgrade project for the two pilot buildings on the campus. The goal of the upgrade was to achieve high energy efficiency while providing the residents with a better indoor living environment, including better heating temperature control and quicker and more reliable domestic hot water supply.

Existing apartment units have original 40+ years old gas-fired furnaces and water Heaters installed in very tight closet spaces. Besides being energy inefficient, Maintenance and service for the equipment was difficult.

AWE engineered a centralized gas-fired condensing boiler heating system as well as a centralized domestic hot water heating system for the two pilot buildings. The new systems not only achieved high energy efficiency, gave both the residents and property manager better control over the systems operation, but also allowed the residents to free up some closet space by removing the individual water heaters from their apartments. The new systems would also require much less coordination with the residents for services since most equipment is now centrally located in the mechanical room.